IN THE CLAIMS:

Claim 3, line 1, delete "or 2".

Claim 4, line 1, delete "or 2".

Claim 13, delete "any one of claims 2" and substitute therefore --claim 1--.

Claim 16, line 1, delete "14 or".

Claim 18, line 1, delete "14 or".

Claim 19, line 1, delete "14 or".

Claim 20, line 1, delete "any one of claims" and substitute therefore --claim--.

Please add the following Claims:

21. The method of claim 1, wherein the events are signals produced by biological micro-structures which are displaced from their original environment.

22. The method of claim 1, wherein the events are signals produced by living cells.

23. The method of claim 1, wherein the estimating step includes an autocorrelation operation.

24. The system of claim 14, wherein the module for estimating includes components to perform an autocorrelation operation.

25. The system of claim 14, wherein the processor is constructed to perform a segmented autocorrelation process.